



## Inlay Layout and Dimensions

	IN400B
Antenna width	45 mm ± 0.2 mm (1.77 ± 0.01 in)
Antenna length	41.5 mm ± 0.2 mm (1.63 ± 0.01 in)
Lengthwise pitch	48 mm ± 0.2 mm (1.89 ± 0.01 in)
Web width	53 mm ± 0.2 mm (2.09 ± 0.01 in)

## Inlay Composition

Composition	Material	Thickness* [µm]
Top	Aluminium	30
Support	Polyester PET	38
Bottom	Aluminium	10 ± 20

\* Overall thickness depends on the IC. For IC thickness please refer to the "Available ICs" table

## Available ICs

	NXP ICODE SL2 ICS20	NXP ICODE SLI-S ICS53	NXP ICODE SLI-L ICS50	ST LRI2K	EM Marin EM4233
Product code	IN400B-PSL2	IN400B-PSSS	IN400B-PSLL	IN400B-LR2K	IN400B-EM4233
Operating frequency	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz
Standard compliance	ISO 15693 ISO 18000-3	ISO 15693 ISO 18000-3	ISO 15693 ISO 18000-3	ISO 15693 ISO 18000-3	ISO 15693 ISO 18000-3
Thickness	150µm ± 15µm	150µm ± 15µm	150µm ± 15µm	180µm ± 15µm	150µm ± 15µm
Operating temperature	-25°C to +85°C	-25°C to +85°C	-25°C to +85°C	-20°C to +85°C	-40°C to +85°C
Storage temperature	-55°C to +140°C	-55°C to +140°C	-55°C to +140°C	n/a	n/a
Unique serial number	8 bytes	8 bytes	8 bytes	8 bytes	8 bytes
Memory size	1024 bits	2048 bits	512 bits	2048 bits	2048 bits
Memory organization	32 blocks of 4 bytes	16 pages with 4 blocks of 4 bytes	16 blocks of 4 bytes	64 blocks of 4 bytes	52 blocks of 4 bytes
Data retention	10 years	10 years	10 years	40 years	60 years
Write endurance	100 000 cycles	100 000 cycles	100 000 cycles	1 000 000 cycles	100 000 cycles

## General supply conditions

Reel dimensions	Internal diameter	76 mm
	External diameter	300 mm
Reel quantity	Inlay per reel	8000 ± 10% (custom sizes available upon request)